

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022323\  
 Data File : VY012711.D  
 Acq On : 23 Feb 2023 17:54  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 02/24/2023  
 Supervised By :Mahesh Dadoda 02/24/2023

Quant Time: Feb 23 23:56:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022123S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 22 01:21:05 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.789          | 168  | 111253              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691          | 114  | 175131              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.489         | 117  | 155941              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428         | 152  | 79220               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.142          | 65   | 65515               | 49.861  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 99.720%  |         |        |          |
| 35) Dibromofluoromethane     | 7.715          | 113  | 60139               | 50.841  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 101.680% |         |        |          |
| 50) Toluene-d8               | 10.178         | 98   | 224494              | 50.657  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 49 - 140 |      | Recovery = 101.320% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.483         | 95   | 75643               | 53.339  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 25 - 144 |      | Recovery = 106.680% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906          | 85   | 47847               | 41.832  | ug/l   | 99       |
| 3) Chloromethane             | 2.113          | 50   | 57615               | 41.630  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.253          | 62   | 54975               | 43.500  | ug/l   | 99       |
| 5) Bromomethane              | 2.649          | 94   | 34547               | 49.913  | ug/l   | 97       |
| 6) Chloroethane              | 2.796          | 64   | 34593               | 42.999  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.125          | 101  | 93485               | 45.889  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.533          | 74   | 34917               | 47.874  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 3.899          | 101  | 57211               | 46.993  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.088          | 142  | 71828               | 45.059  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.948          | 59   | 32281               | 224.593 | ug/l # | 89       |
| 12) 1,1-Dichloroethene       | 3.875          | 96   | 54397               | 46.284  | ug/l   | 95       |
| 13) Acrolein                 | 3.722          | 56   | 41767               | 229.994 | ug/l   | 100      |
| 14) Allyl chloride           | 4.478          | 41   | 109494              | 48.002  | ug/l   | 100      |
| 15) Acrylonitrile            | 5.161          | 53   | 100605              | 259.272 | ug/l   | 99       |
| 16) Acetone                  | 3.948          | 43   | 106369              | 248.092 | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.198          | 76   | 168083              | 42.498  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.472          | 43   | 70076               | 50.737  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.216          | 73   | 163544              | 51.732  | ug/l   | 99       |
| 20) Methylene Chloride       | 4.716          | 84   | 68656               | 51.483  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.222          | 96   | 60985               | 47.704  | ug/l   | 90       |
| 22) Diisopropyl ether        | 6.118          | 45   | 216567              | 50.880  | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.057          | 43   | 683960              | 259.450 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.015          | 63   | 114356              | 48.451  | ug/l   | 100      |
| 25) 2-Butanone               | 6.984          | 43   | 146156              | 256.843 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 6.978          | 77   | 97542               | 47.377  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 6.984          | 96   | 68969               | 49.307  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.331          | 49   | 48279               | 51.083  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.344          | 42   | 93755               | 269.865 | ug/l   | 99       |
| 30) Chloroform               | 7.502          | 83   | 114511              | 50.072  | ug/l   | 96       |
| 31) Cyclohexane              | 7.782          | 56   | 98157               | 42.999  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 7.703          | 97   | 97718               | 47.201  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.917          | 75   | 85958               | 45.845  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.069          | 43   | 61287               | 48.442  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 7.898          | 117  | 90321               | 46.588  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.185          | 83   | 100745              | 46.579  | ug/l   | 99       |
| 40) Benzene                  | 8.160          | 78   | 252193              | 48.186  | ug/l   | 99       |

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 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTDCCC050EC

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 Quant Title : SW846 8260  
 QLast Update : Wed Feb 22 01:21:05 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.307  | 41   | 32484m   | 52.717  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 78309    | 48.252  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.270  | 43   | 109071   | 49.889  | ug/l   | 98       |
| 44) Trichloroethene           | 8.941  | 130  | 64581    | 47.726  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 66889    | 49.685  | ug/l   | 97       |
| 46) Dibromomethane            | 9.307  | 93   | 37379    | 50.298  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.496  | 83   | 89258    | 49.891  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.294  | 41   | 52610    | 51.568  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.294  | 88   | 10014    | 883.269 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 308047   | 261.203 | ug/l   | 100      |
| 52) Toluene                   | 10.245 | 92   | 154284   | 49.752  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 94715    | 50.663  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.928  | 75   | 105946   | 50.081  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 51944    | 51.461  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 73831    | 53.559  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 90291    | 50.894  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 171204   | 234.481 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.831 | 43   | 220329   | 263.535 | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.983 | 129  | 63640    | 52.039  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 49729    | 51.423  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.721 | 164  | 53480    | 47.155  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.520 | 112  | 164358   | 49.150  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 61564    | 49.677  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 294541   | 49.276  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 224277   | 98.359  | ug/l   | 99       |
| 69) o-Xylene                  | 12.032 | 106  | 105741   | 50.067  | ug/l   | 99       |
| 70) Styrene                   | 12.044 | 104  | 181777   | 51.352  | ug/l   | 98       |
| 71) Bromoform                 | 12.209 | 173  | 40611    | 51.355  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.330 | 105  | 280865   | 47.976  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.141 | 43   | 96956    | 50.381  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.580 | 83   | 64762    | 49.200  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.635 | 75   | 51563m   | 52.210  | ug/l   |          |
| 77) Bromobenzene              | 12.611 | 156  | 66856    | 47.661  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.672 | 91   | 348275   | 47.561  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 191753   | 47.136  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 232460   | 47.536  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 23471    | 50.347  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 200624   | 47.550  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.074 | 119  | 199479   | 47.770  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 230159   | 48.145  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.251 | 105  | 303053   | 47.699  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 247709   | 47.341  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 129863   | 47.266  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 131153   | 47.073  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.696 | 91   | 236983   | 47.292  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.958 | 117  | 49281    | 46.410  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 117638   | 47.942  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.354 | 75   | 10851    | 50.150  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 72065    | 46.437  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.110 | 225  | 41016    | 43.793  | ug/l   | 98       |
| 95) Naphthalene               | 15.238 | 128  | 151977   | 48.466  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.421 | 180  | 64581    | 47.015  | ug/l   | 98       |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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